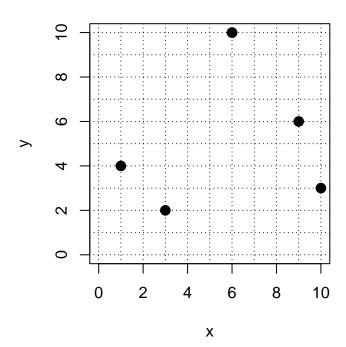
## Check if Relation is a Function (12 pts classwork, version 9)

1. A relation is expressed as a list of (x, y) ordered pairs.

$$(8,3)$$
  $(3,9)$   $(3,6)$   $(5,9)$   $(2,1)$   $(5,5)$ 

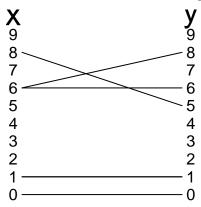
- Is this list consistent with y being a function of x? Why or why not?
- Is this list consistent with x being a function of y? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?
- 2. A relation is shown as points on a graph.



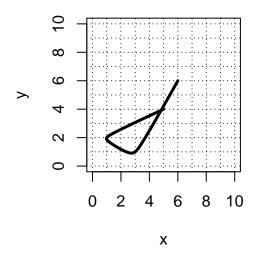
- Is this relation consistent with y being a function of x? Why or why not?
- Is this relation consistent with x being a function of y? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

## Check if Relation is a Function (version 9)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with y being a function of x? Why or why not?
- Is this relation consistent with x being a function of y? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?
- **4.** A relation is shown as a curve plotted on an x, y



- Is this relation consistent with y being a function of x? Why or why not?
- Is this relation consistent with x being a function of y? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?